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| Substitute Form PTO-1449 (Modified) | U.S. Department of Commerce Patent and Trademark Office | Attorney's Docket No. 06618-379001 | Application No. 09/443,177 |
| Information Disclosure Statement by Applicant (Use several sheets if necessary) | | Applicant Sarath D. Gunapala et al. | |
| | | Filing Date November 19, 1999 | Group Art Unit Unknown-2815 |
| (37 CFR §1.98(b)) | | | |

U.S. Patent Documents

| Examiner Initial | Desig. ID | Patent Number | Issue Date | Patentee | Class | Subclass | Filing Date If Appropriate |
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| BWB | AA- | 5,198,659 | 03/30/1993 | Smith et al. | | | 03/23/1992 |
| BWB | AB | 5,384,469 | 01/24/1995 | Choi | | | 07/21/1993 |
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Foreign Patent Documents or Published Foreign Patent Applications

| Examiner Initial | Desig. ID | Document Number | Publication Date | Country or Patent Office | Class | Subclass | Translation | |
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| | | | | | | | Yes | No |
| | AL | | | | | | | |
| | AM | | | | | | | |
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Other Documents (include Author, Title, Date, and Place of Publication)

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| BWB | AQ | Gunapala, Sarath D. et al., "15-micrometer 128x128 GaAs/AlxGal-xAs Quantum Well Infrared Photodetector Focal Plane Array Camera," IEEE Transactions on Electron Devices, Vol. 44, No. 1, January 1997 (01.97), pages 45-50 |
| BWB | AR | Gunapala, Sarath D. et al., "9-micrometer 256x256 GaAs/AlxGal-xAs Quantum Well Infrared Photodetector Hand-Held Camera," IEEE Transactions on Electron Devices, Vol. 44, No. 1, January 1997 (01.97), pages 51-57 |
| BWB | AS | Gunapala, Sarath D. et al., "Long-Wavelength 640x486 GaAs/AlxGal-xAs Quantum Well Infrared Photodetector Snap-Shot Camera," IEEE Transactions on Electron Devices, Vol. 45, No. 9, September 1998 (09.98), pages 1890-1895 |

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| Examiner Signature: <i>BWB</i> | Date Considered 12/1/01 |
| EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. | |

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| Substitute Form PTO-1449 (Modified) Information Disclosure Statement by Applicant (Use several sheets if necessary) (37 CFR §1.98(b)) | U.S. Department of Commerce Patent and Trademark Office | Attorney's Docket No. 06618/379001 | Application No. 09/443,177 09/924,209 |
| | Applicant Sarath D. Gunpala <i>et al.</i> | | |
| | Filing Date November 19, 1999 | Group Art Unit 2815 | |

| U.S. Patent Documents | | | | | | | |
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| | AE | | | | | | |
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| Foreign Patent Documents or Published Foreign Patent Applications | | | | | | | | |
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| Examiner Initial | Desig. ID | Document Number | Publication Date | Country or Patent Office | Class | Subclass | Translation | |
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| Other Documents (include Author, Title, Date, and Place of Publication) | | |
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| Examiner Initial | Desig. ID | Document |
| | AQ | |
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| Examiner Signature <i>B. W. B.</i> | Date Considered 12/1/01 |
| EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. | |